FIGURE 1/

300 93 400 126 500 160 600 193 700 227 800 260 900 293 327 1100 327 1100 393 393 1400 CAAATCGGAATAGCCAAGAAGACGAAAATGTTGGAAGAGGAGCTGAAATACGGAGCATCTCACGTTATTCATCTATGTGCGGGTGTCACTATG N R N S Q E D E N V V E E A E L K Y G A S H V I H L F V P V S L C CA 196CTCT19GTT9TTTTACGATGAACACGATTACGTTTTATAGTCAAAGGAAAGGAATTAACTATCACATCOTTTTTGCCGGGAAACAGACAGT TACCITATIACAATGICIGCACIAATGGCICTGATCAAGTACCIACCAGAATGGACIGIGIGGGITTGIGCIGITTGITATCICGGITTGGGATC AGICATCTATCCTACGTTCTTGTTACTGCAGTTGAAAACACGACAGACCCCCGTGAACGCGACGTCGTCAGACTCAAATACTTCTACAGCTTTTTCCTGGA GGICTICATICACITIGACICGIGCICGICGICGICTICAAACGAGCACTCCCGGCICTIGCAAITITCCATITITICCGGACTCATITITIACTTITIGAACCG A TO CITICA GAA A GOGA TIGATO TO A CATICGA A A TOCTO TO TIGITICA GOTO TO TICA TO A TOCTO A TIGATION TO TATA A TA CAAGI GAGGCGAGTTGTTCATCTGAAACGCCCAAAACGCCAAAAGTGAAACGAATTCCTCAAAAAGTGCAAATCGAATGGAATACTACAGCTTCAACGACACAAA INGINCTICACCITICATITITICIACITCITCITCTCCTCGGCAAGGCTTCATCGTACTTTGACTGGAACACGACTATCGCTTGTTATGTGGCCCATTCTTATC TICGATICATICACCCCATTITICITIACACAAGTICTCTCAAAAGTICTTTATATTAATTICTICTICTTTTTTGCCATTTTCTTTTGCATCATCATCAACTTTTTCAA ITTATAAGCITATTCATGGATGGCTTATTGTCAGCAGTTTTCTTCTTTTTCCTATTCACTACAATCTATGTGCAAGAAGTTCTGAAAAGTTTTCGATGT STCTCCCAGCGCACTATTGGTTTTGGTTTTGGACTGGGTAACTATGGAGTTCTCGGAATGATGTGTATACATTGGAAAGGTCCATTGCGTCTGCAACAGTTC actetescagtaagggtegaacgggagctigctgaggagaccaactgtacaagacgccaatttteacaggggaagagggaagagaggaggtgtgaaatt SALLVLFGLGNYGVLGMMCIHWKGPLRLOOF EKGLMSLGNALVWLCVVVLMTVLLIVFYKK CFTLVLLAVEKRALPALOFPFSPDSFFTFVP O E G G G A D A E T H T V Y G T N L I FIFYSVLLGKASSYFDWNTTIACYVAILA VAVLTPKGPLRYLVETAQERNEP<u>IFPALIYSS</u> LVVETMNTITEYSONNGRHLLSHPFVRETD Y P Y V L V T A V E N T T D P R E P T S S D S N T S T A F P LIHGWLIVSSFLLFFFFTTTYVOEVLK TPKRPKVKRIPQKVQIESNTTA R V E R E L A A E R P T V Q D A N F H R H E E E SVYYINSLFLPFLCI o œ SLX æ S Σ Œ S S G D υ G S 601 194 701 228 301 301 127 001 328 101 361 201: 394 201 401 501 801 261 901 294 61

2/5

FIGURE 1B

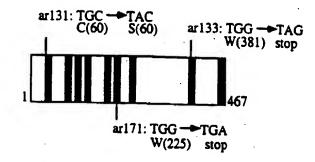


FIGURE 2A

SEL-12 S182 E5-1	MTEIP MLTFMASDSE	APLSYFQNAQ EEVCDERTSL	MSEDNHLSNT MSAESPTPRS		MPSTRRQQ QEH.NDRRSL GENTAQWRSQ
	EGGGADAETH GHPEPLSNGR ENEEDGEEDP	PQGNSRQVVE	QDEEED	EEAELKYGAS EELTLKYGAK EELTLKYGAK SSELVRSSQL	HVIHLFVPVS HVIMLFVPVT HVIMLFVPVT RWTLFSVIAN
TM1					
SEL-12 S182 E5-1 SPE-4	LCMALVV.FT LCMVVVV.AT LCMIVVV.AT MSLTESIWIG	IKSVSFYTRK IKSVRFYTEK	DG.QUIYTPF	TED TETVGQR TED TPSVGQR	SEMBLGNALV ALHBILNAAI LENBVLNTEI LEDGFINGVG
TM2			TM3		
SEL-12 \$182 E5-1 \$PE-4	X MLCVVVLMTV MISVIVVMTI MISVIVVMTI TILVLGCVSF	LLIVEYKYKE LLIVEYKYRC FLVVLYKYRC IMLAFVLFDF	X YKLIHGWLIV YKVIHAWLII YKFIHGWLIM RRIVKAWLTL	SSFLLLF SSLLLF SSLMLLF SCLLILFGVS	EFTTFESFEFTY AQTLHDMASQ
\$182 E5-1	MLCVVVLMTV MISVIVVMTI MISVIVVMTI	FLVVLYKYRC FLVVLYKYRC	YKLIHGWLIV YKVIHAWLII YKFIHGWLIM	SSLMULF	FES F
\$182 E5-1	MLCVVVLMTV MISVIVVMTI MISVIVVMTI	DVSPSALLVE NVAVDYPTLE	YKLIHGWLIV YKVIHAWLII YKFIHGWLIM RRIVKAWLTL TM4	SSLMULF	FES F
S182 E5-1 SPE-4 SEL-12 S182 E5-1	MLCVVVLMTV MISVIVVMTI MISVIVVMTI TILVLGCVSF IYVQEVLKSF TYLGEVLKTY	DVSPSALLVE NVAVDYPTLE	YKLIHGWLIV YKVIHAWLII YKFIHGWLIM RRIVKAWLTL TM4 FGLGNYGVLG LLIWNFGVVG LTVWNFGAVG	SSLULF SSLWLF SCLUILFGVS MMCIHWKGPL MISIHWKGPL MVCIHWKGPL	RLQQFYLIM RLQQAYLIMI VLQQAYLIMI

FIGURE 2B

TM7 XX EPIFPALIYS SGVIYPYVLV TAVENTIDPR EPTSSDENTS TAFPGEASCS ETLFPALIYS STMVW...LV NMAEGDPEAG RRVSKNSKYN AESTERESQD EPIFPALIYS SAMVW...TV GMAKLDP....SSQGALQ LPYDPEMEED KCVLNLIMFS ANEKRLTAGS NGEETNEGEE STIRRTVKQT IEYYTKREAG SEL-12 S182 E5-1 SEL-12 SE..... TEKRPKVK RIPQKVQIES S182 E5-1 NTMASMTQNS GVRVERELAA ERPMVQDANF HRHEEERG.
WEAQRDSHLG PHRSTPESRA AVQELSSSIL AGEDPERG.
FEPPLMGYPG EEL..................EEEERG.
SDMSEMSSGS SNLSSSDSST TVSMSDISTA EECDQKEWDD LVSNSLPNND SEL-12 \$182 E5-1 SPE-4 SEL-12VKLGL GDFIFYSVLL GKASSYF..D WNTILACYVA
S182VKLGL GDFIFYSVLV GKASATASGD WNTILACFVA
E5-1VKLGL GDFIFYSVLV GKASATGSGD WNTILACFVA
SPE-4 KRPATAADAL NDGEVIRLGF GDFVFYSLLI GQAAASGCP. .FAVISAALG SEL-12 TM8 ILIGLOFILV LLAVFKRALP ALQFPFSPDS FFTFVPAGSS PHILHKSLKS ILIGIOLILL LLAIFKKALP ALPISITFGL VFYFATDYLV QPFMDQLAFH ILIGIOLILL LLAVFKKALP ALPISTTFGL IFYFSTDNLV RPFMDTLASH ILFGLVVTLT VFSTEESTTP ALPLPVICGT FCYFSSMFFW EQLYG.... SEL-12 **S182** E5-1 SPE-4 TM9?

FIGURE 3A

FIGURE 3B

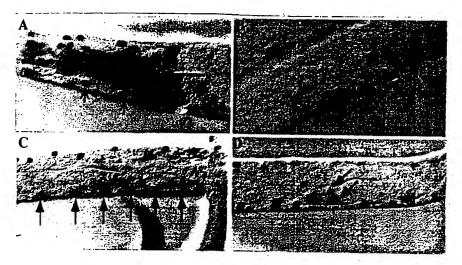


FIGURE 3C

FIGURE 3D

SUBSTITUTE SHEET (RULE 26)